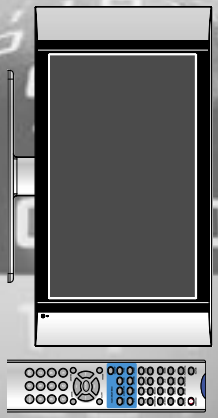


32″ LCD TV
User Guide

Introducing the LCD TV

Installing the LCD TV

Using the LCD TV

Federal Communications Commission Statement

This equipment has been tested and found to comply with the limits of a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient/Relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit which is different from what the receiver is connected to.
4. Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user authority to operate the equipment.

Warnings and Precautions

To prevent any injuries, the following safety precautions should be observed in the installation, use, servicing and maintenance of this equipment.
Before operating this equipment, please read this manual completely, and keep it nearby for future reference.

WARNING	This symbol is intended to alert the user to avoid the risk of electric shock. This equipment must not be disassembled by anyone except qualified service personnel.
CAUTION	This symbol is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.

To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.

- TO REDUCE THE RISK OF ELECTRIC SHOCK,
- DO NOT REMOVE COVER (OR BACK).
- NO USER-SERVICEABLE PARTS INSIDE.
- REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Important Safety Instructions

- Do not place the equipment on any uneven or unstable carts, stands, tables, shelves etc. The equipment may fall, causing serious injury to children or adults and serious damage to the equipment itself.
- Use only a cart or stand recommended by the manufacturer. This equipment and recommended cart or stand should be handled with care. Quick stops, excessive force, and uneven surfaces may cause the equipment and cart/stand to overturn.

- Do not disable the 3-wire grounding type plug. The grounding pin on the 3-prong plug is an important feature. Removing the grounding pin will increase the risk of damaging the equipment.
- If you can not fit the plug into the electrical outlet, contact an electrician to install a grounding outlet.
- Always operate this equipment from the type of power source indicated on the rear of the serial/model plate.
- Never overload wall outlets and extensions.
- Use and handle the power cord with care. Do not place any heavy objects on the AC power cord.
- Do not pull the AC power cord. Do not handle the AC power cord with a wet hand.
- Do not touch the power cord and antenna cable during lightning.

- Remove the plug from the wall outlet, if the equipment will not be used for a long period of time.
- Do not place, use or handle this equipment near water.
- Never expose the equipment to liquid, rain, or moisture.
  Seek for service if any of the above is spilled into the equipment.
- Do not expose the equipment to extreme temperature or to direct sunlight, as the equipment may heat up and suffer damage.
- Do not install the equipment near any heat sources such as radiators, heat registers, stoves, or any other apparatus that might produce heat.
- Do not attempt to service the equipment yourself.

- Opening and removing the covers may expose you to dangerous voltage or other hazards and may void your warranty. Refer service to qualified personnel.
- Do not place or drop any other objects on top.
- Do not insert anything into the ventilation holes of your equipment.
  Inserting any metal or flammable objects may result to fire or electric shock.

- Do not place the equipment on uneven or unstable carts, stands, tables, shelves etc. The equipment may fall, causing serious injury to children or adults and serious damage to the equipment itself.
  Always place the equipment on the floor or on a surface that is sturdy, level, stable and strong enough to support the weight of the equipment.
- Do not block any ventilating openings. Leave an open space around the equipment.
  Never place the equipment :
  on a bed, sofa, rug, or any other similar surfaces; too close to drapes/curtains/walls, in a bookcase, built-in cabinet, or any other similar places that may cause poor ventilation.

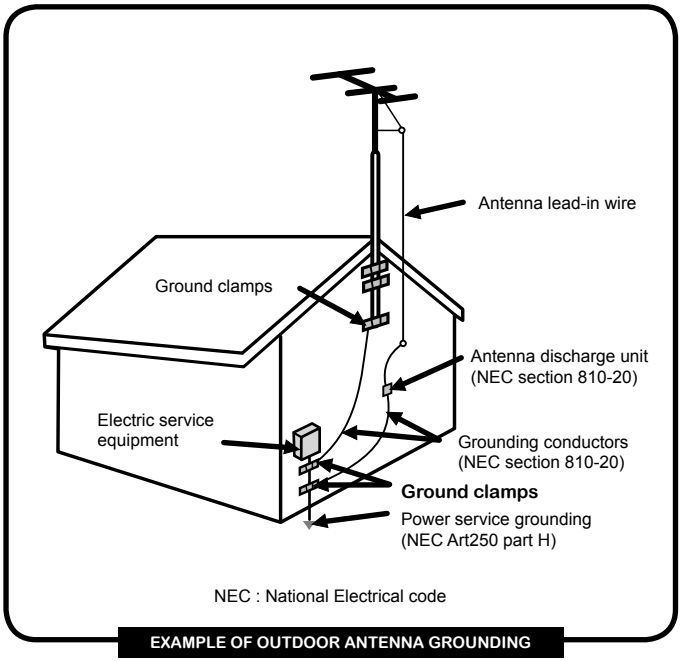
- Always remove the power cord from the outlet before cleaning the equipment.
- Never use liquid or aerosol cleaners on the equipment.
  Clean only with a soft dry cloth.

Antenna Safety Instructions

If an outdoor antenna is connected, follow the precautions below:

- An outdoor antenna should not be located in any area where it could come in contact with overhead power lines, or any other electric light or power circuits.
- When installing an outdoor antenna system, extreme caution should be taken to prevent contact with power lines. Direct contact with power lines may be fatal and should be avoided at all costs.

Section 810 of National Electrical Code (NEC) provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



EXAMPLE OF OUTDOOR ANTENNA GROUNDING

CONTENTS

Federal Communications Commission Statement

Warnings and Precautions

Important Safety Instructions 2
Antenna Safety Instructions 4

Chapter 1 Introducing the LCD TV

Key Features 7
Package Contents 8
Setting Your LCD TV 9
Your LCD TV 10
Your Remote Control 12

Chapter 2 Installing the LCD TV

Connecting a TV Cable or Antenna 14
Connecting a VCR 18
Connecting a DVD Player 19
Connecting a TV Cable Box and Satellite Receiver 21
Connecting a Video Camera 23
Connecting a two VCRs 24
Connecting a PC 25

Chapter 3 USING THE FEATURES

Watching Your LCD 26
Operating the Menu 27
Setting up the Channel List 29
Customizing the Picture Settings 32
Customizing the Audio Settings 34
Customizing the Picture Color Settings 35
Customizing the Display Settings 36
Customizing the OSD Settings 37
Customizing the MISC Settings 38
Using the PIP/POP/MULTI PIP Settings 39
Using the V-CHIP Settings (For U.S TV system only) 40
Operating the ATSC System 43
Customizing the STATION Settings 45
Customizing the LOCK Settings 46
Customizing the CAPTION Settings 47
Customizing the SETUP Settings 48

TROUBLESHOOTING 49
SPECIFICATION 50
PRESET MODE TIMING CHART 51

Chapter 1 Introducing the LCD TV

Key Features

Various Audio/Video terminals for external equipment connection

- 2 composite A/V input terminal
- 1 set of composite A/V output terminals
- 2 S-VIDEO terminal
- 2 set of component Video input terminals
- 1 VGA/AUDIO input terminal
- 1 HDMI/AUDIO input terminal
- 4 sets of Audio input terminals

High Definition Multimedia Interface (HDMI)

- High Definition Multimedia Interface (HDMI) is a small, user-friendly interconnect that can carry up to 5 Gbps of combined video and audio in a single cable. This system eliminates the cost, complexity and confusion of multiple cables used to connect current A/V systems

The built-in TV tuner to receive HD ATSC

- This function allows the reception of HD broadcasting without the addition of a set top box.

Digital Noise Reduction

- This function can digitally reduce image noise to provide better picture quality.

Film-Mode Detection (3:2 Reverse Pull Down)

- This function can automatically detect content derived from film and adjust the interlacer's frame matching to provide a more natural-looking, clearer image of the moving picture.

PIP Function

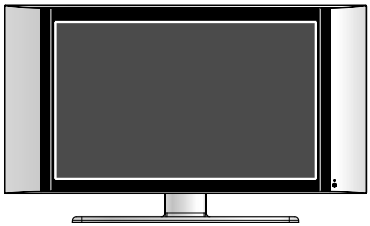
- This function allows viewing of video from two different sources simultaneously.

Compatible with HDTV, available for 480p, 720p and 1080i HDTV video signals

Package Contents

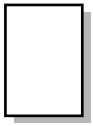
Make sure all of the following contents are included.

☑ LCD TV

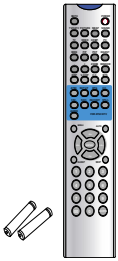


H Stand

☑ Warranty Card



☑ Remote Control/AAA Batteries x 2



☑ User Guide

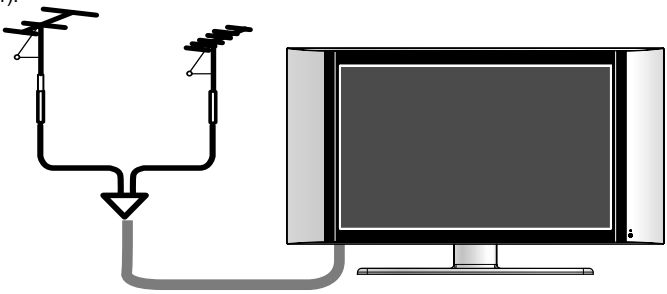
☑ Power Cord

☑ Antenna jack

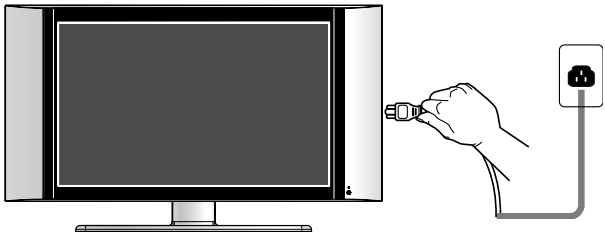
These items are all you need to set up and operate the LCD TV in its basic configuration.

Make sure all of the following contents are included.
If you are missing any items, please return this product to the original place of purchase.

❶ Use a supplied antenna cable to connect the VHF/UHF signal to the LCD TV's ANT. terminal (refer to page14).

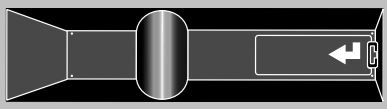


❷ Connect the AC power cord at the back of the TV and connect t the power cord to wall outlet.

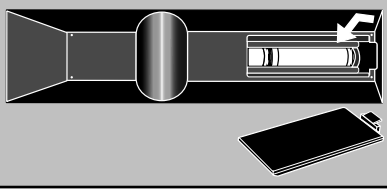


❸ Insert the 2 batteries supplied in remote control.

Step1 Slide the back cover up to open the battery compartment of the remote control.



Step2 Insert two AAA size batteries. Make sure to match the (+) and (-) ends of the batteries with the (+) and (-) ends indicated in the battery compartment. Slide the cover back into place.



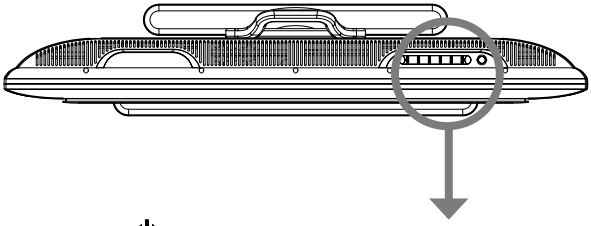
Do not use caustic cleaners (porcelain, stainless steel, toilet, or oven cleaner etc.) on the remote, as it may suffer damage.

❹ Connect other an external A/V device (refer to page18-25).

Front/Top View and Controls

LED
The LED light indicates when the LCD TV is activated.

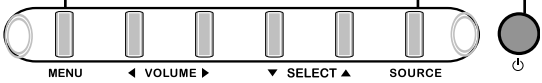
IR
Infrared Receiver (IR)



Turns the LCD TV on and into standby mode.

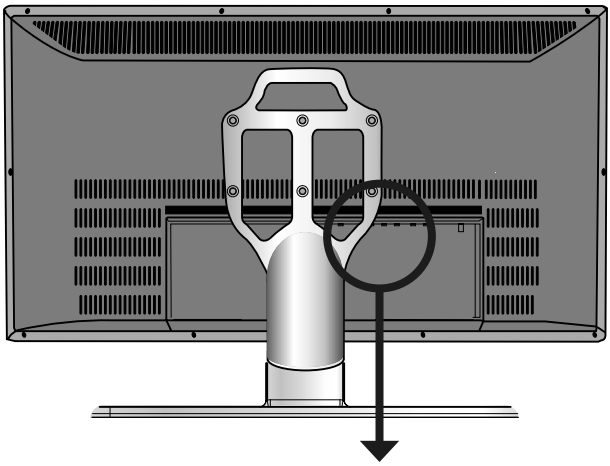
MENU
Press once to display the OSD (on screen display), press again to turn the OSD off.

SOURCE
Chooses from different input signal sources.



SELECT▲▼
Scans up and down through channels. Selects sub-menu item when in the OSD mode.

VOLUME◄►
Adjusts the volume up and down. Selects the main-menu item and change values for items when in the OSD mode.



ANT. NTSC
Connects RF input from VHF/UHF antenna or cable.

AV2/S-VIDEO2 IN
Connects to the composite Video/S-VIDEO and Audio output jacks on external video equipment.

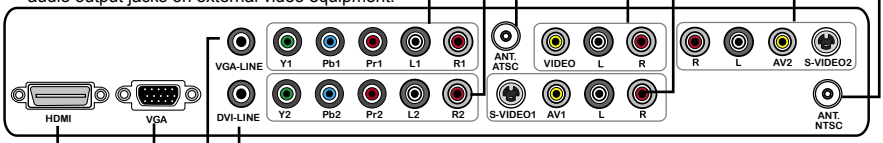
AV1/S-VIDEO1 IN
Connects to the composite Video/S-VIDEO and Audio output jacks on external video equipment.

AV Output
Connects to the composite A/V intput jacks on external video equipment.

ANT. ATSC
Connects RF input from VHF/UHF antenna or cable to receive high definition digital television.

COMPONENT(Y2Pb2Pr2) IN
Connects to the Component(YPbPr) video and audio output jacks on external video equipment.

COMPONENT(Y1Pb1Pr1) IN
Connects to the Component(YPbPr) video and audio output jacks on external video equipment.



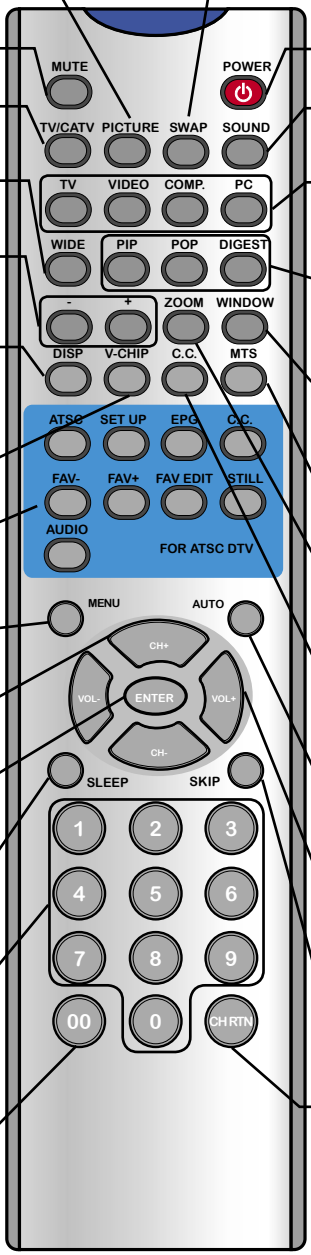
DVI_LINE
Connects the AV equipment with AUDIO jack of HDMI (The AUDIO of HDMI IN is for DVI connection).

VGA_ LINE
Connects the satellite receiver or other AV equipment, TV Box, or PC with AUDIO jack of VGA.

VGA IN
Connects the satellite receiver or other AV equipment, TV Box, or PC with VGA connector.

HDMI IN
Connects the AV equipment with HDMI connector.

Your Remote Control



PICTURE
Cycles through picture quality modes: STANDARD, BRIGHT, SOFT, MOVE STANDARD, MOVE BRILLIANT

MUTE
Mutes and restores your LCD TV sound.

TV/CATV
Cycles through the TV receiving signal: TV(antenna), CATV(cable)

WIDE
Cycles through the picture size:16:9,4:3, FULL,NATIVE

-+
Changes the size of secondary picture while using the window button.

DISP
Displays information on the LCD TV screen such as channel and channel label.

V-CHIP
Turns the V-CHIP function on and off.

ATSC DTV FUNCTION
For ATSC TV system only.

MENU
Displays the OSD (on screen display) menu.

CH+/-
Scans up and down through channels.

ENTER
Refers to the OSD menu for detailed information.

SLEEP
Sets the LCD TV sleep time.

0-9
Select and switch to a channel by using 0-9 buttons.

00
The one/two digit numbers by pressing this button.

SWAP
Swaps between main and sub screens in PIP/POP/MULTI PIP mode.

Turns the LCD TV on and off.

SOUND
Cycles through the audio modes: STANDARD, MOVIE, SOFT

TV/VIDEO/COMP./PC
Selects among the video equipment connected to the video inputs of your LCD TV.

PIP/POP/DIGEST
Enters picture-in-picture(PIP)/ picture-outside-picture(POP)/ multiple pictures(MULTI PIP) modes

WINDOW
Controls or adjusts either the main screen and sub screen in PIP/POP mode.

MTS
Cycles through the TV Sound options: MONO/SAP/Stereo

ZOOM
Enters the enlarge funciton,press +/- buttons to adust the screen size gradually.

C.C.
Cycles through the closed caption modes.

AUTO
Automatically detect and store all active channels in your ares.

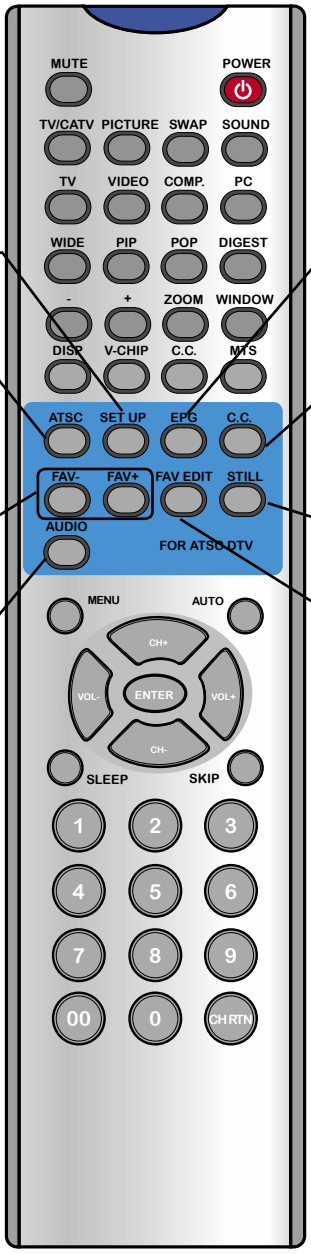
VOL+/-
Adjusts the volume.

SKIP
Deletes the current channel.

CH RTN
Switch back and forth between the current and previous channel.

Effective range:
The remote can control the LCD TV from up to 5m away, if pointed directly at the receiver.

ATSC DTV FUNCTION



SETUP
In ATSC TV mode, pressing SETUP displays the menu on the screen.

ATSC
Select the ATSC TV receiving the signal inputs of your LCDTV.

FAV-/FAV+
Change the favorite channel up and down.

AUIDO
In ATSC TV mode, allows to select the audio language: English/French/ Spanish

EPG
In ATSC TV mode, pressing EPG displays the EPG (Electronic Program Guide) on the screen.

C.C.
In ATSC TV mode, cycles through the digital Closed Caption.

STILL
No Function

FAV EDIT
Edit the favorite channel.

Chapter 2 Installing the LCD TV

Refer to the owner's manual of any external equipment to be connected.
When connecting any external equipment, do not connect any AC power cords to wall outlets until all other connections are completed.

Connecting a TV Cable or Antenna

Antenna Connection

The antenna requirements for good color TV reception are more important than those for a black & white TV reception. For this reason, a good quality outdoor antenna is strongly recommended.
The following is a brief explanation of the type of connection that is provided with the various antenna systems.

■ **A 75-ohm system is generally a round cable (not included) with F-type connector that can easily be attached to a terminal without tools.**

F-type connector

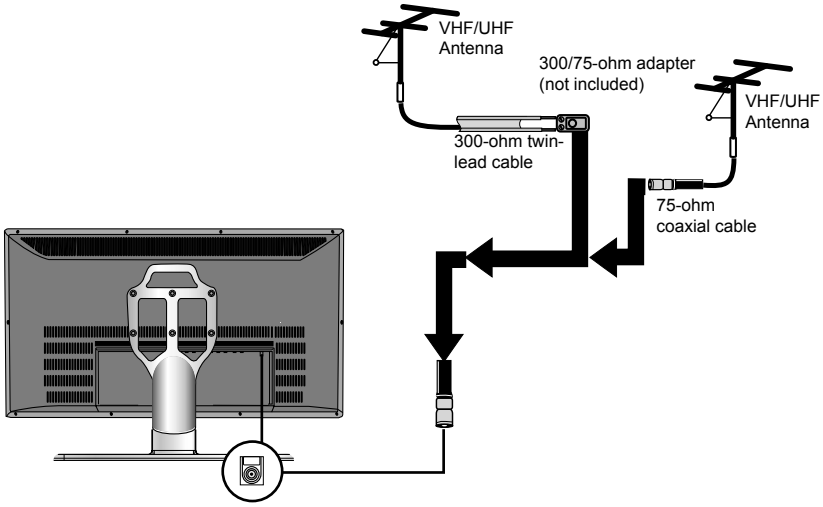
75-ohm coaxial cable (round)

■ **A 300-ohm system is a flat twin-lead cable (not included) that can be attached to a 75-ohm terminal through a 300-75-ohm adapter (not included).**

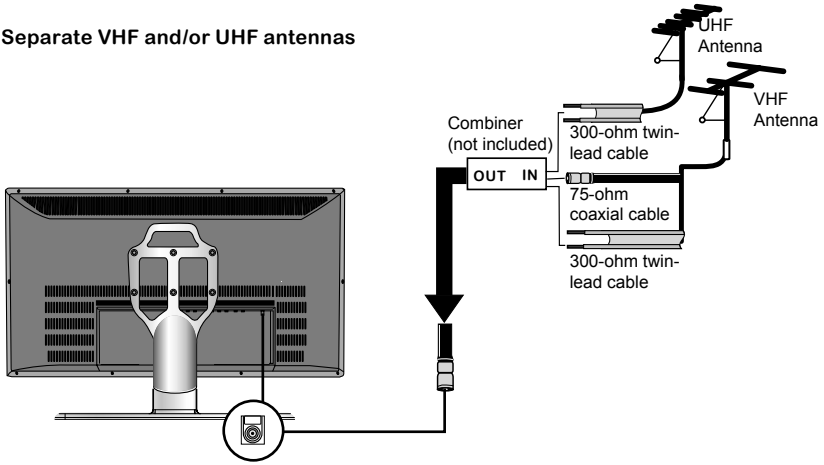
300-ohm twin-lead cable (flat)

Use one of the following two diagrams when connecting an outdoor antenna.
A: Shows how to use a VHF/UHF combination outdoor antenna.
B: Shows how to use a separate VHF and/or UHF outdoor antenna.

A. Combination VHF/UHF antenna



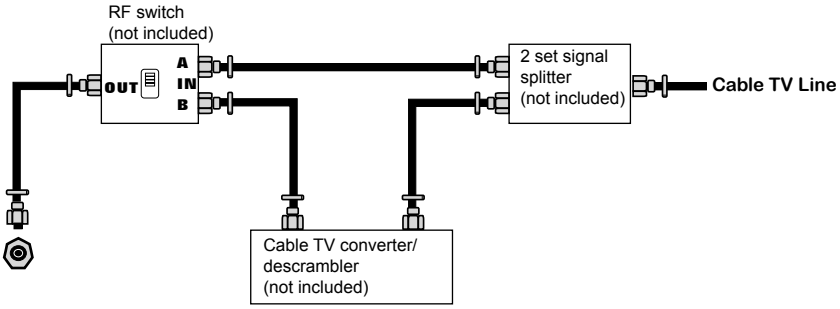
B. Separate VHF and/or UHF antennas



This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electrical Code (NEC) that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building accurately, or as close to the point of cable entry as possible. Use of this TV for other than private viewing of programs broadcasted on UHF, VHF or transmitted by cable companies for the use of the general public may require authorization from the broadcast/cable company, and/or program owner.

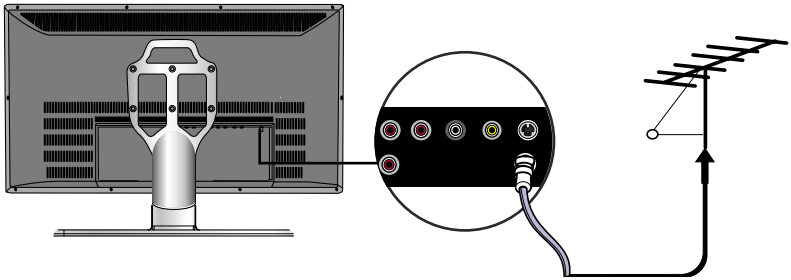
- **A 75-ohm coaxial cable connector is built into the set for easy hookup. When connecting the 75-ohm coaxial cable to the set, connect the 75-ohm cable into the ANT. terminal.**
- **Some cable TV companies offer premium pay channels. Since the signals of these premium pay channels are scrambled, a cable TV converter/descrambler is generally provided to the subscriber by the cable TV company.**

This converter/descrambler is necessary for normal viewing of scrambled channels.
(Set your TV to channel 3 or 4, typically one of these channels is used. If this is unknown, consult your cable TV company.)
For more specific instructions on installing cable TV, consult your cable TV company.
One possible method of connecting the coverter/descrambler provided by your cable TV company is shown in the diagram below.

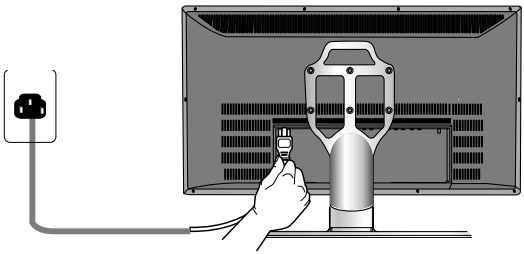


- **The RF switch (not included) is required to provide two inputs (A and B). Setting the RF switch to position A allows viewing of all unscrambled channels by using the TV channel keys.**
- **Setting the RF switch to position B allows viewing of all scrambled channels via the converter/descrambler by using the converter channel keys.**

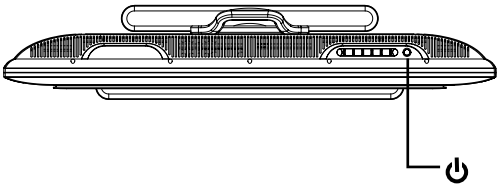
1. Use a supplied antenna cable to connect the VHF/UHF signal to the LCD TV's ANT. terminal.



2. Connect the AC power cord at the back of the TV and connect the power cord to wall outlet.

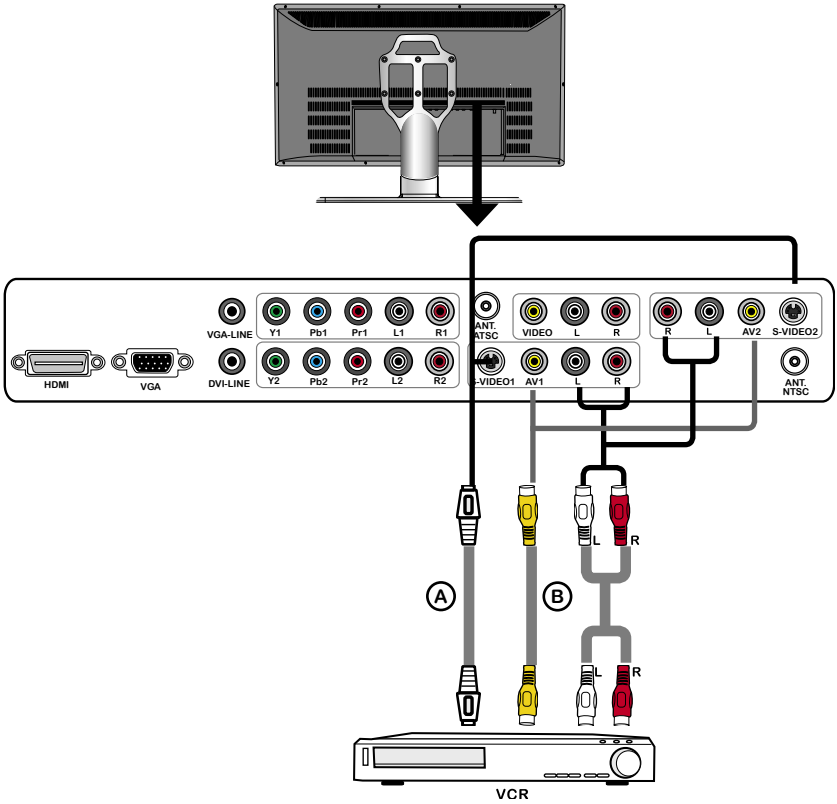


3. Press the button on the remote to turn on the LCD TV.



Always disconnect the LCD TV from the power outlet when the LCD TV will not be used for a long period of time.
The POWER button on the front panel is only used for switching the LCD TV into standby, it does not disconnect the device from the main voltage. To completely disconnect the main voltage, please remove the power plug from the socket.

4. Press the **TV** button on the remote.



1. **METHOD A:**

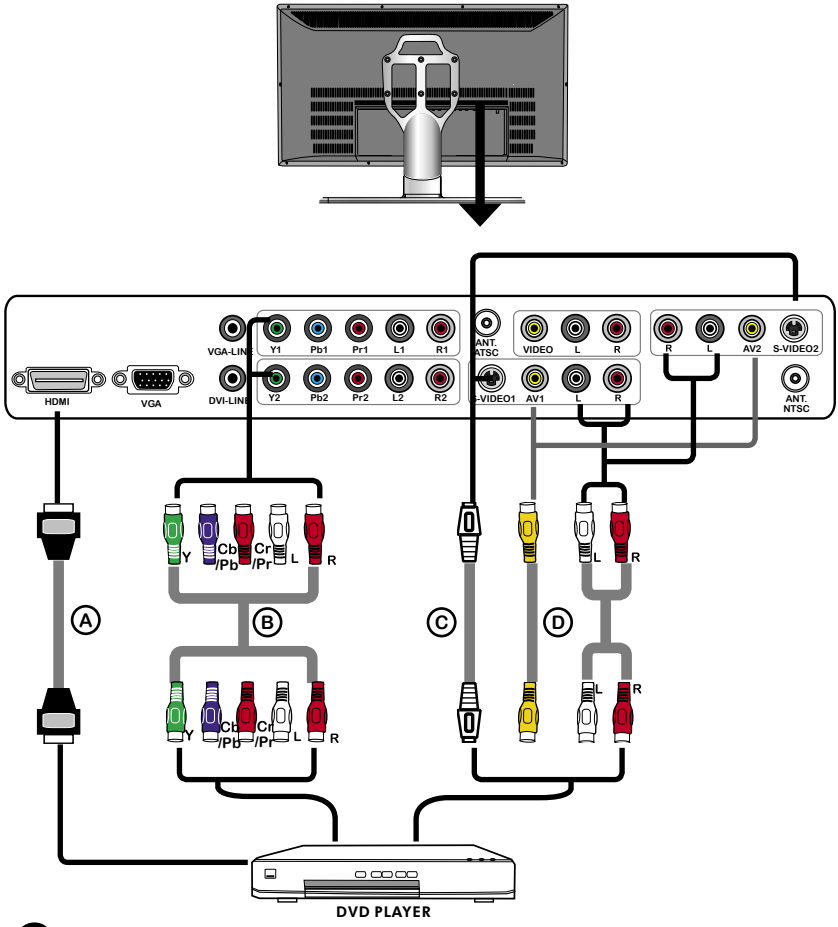
   Use an audio cable to connect the VCR's audio output jacks to the LCD TV's audio inputs. Use an S-Video cable to connect the VCR's S-video output jack to the LCD TV's S-VIDEO1 or S-VIDEO2 input jack.

   METHOD B:
   Use a composite cable to connect the VCR's composite video/audio jacks to the LCD TV's composite video/audio jacks.

2. Connect all AC power sources, before turning on the power switch of the LCD TV or other connected equipment.

3. Press the button on the remote to turn on the LCD TV.

4. To watch a videotape, press the **VIDEO** button on the remote repeatedly to select **S-VIDEO1/S-VIDEO2**(METHOD A), or **AV1/AV2** (METHOD B).



METHOD A:

Use a HDMI cable to connect the DVD's HDMI jack to the LCD TV's HDMI jack.

METHOD B:

Use a component cable to connect the DVD player's component output jacks to the LCD TV's component (Y1Pb1Pr1 or Y2Pb2Pr2) input jacks. Use an audio cable to connect the DVD player's component audio jacks to the LCD TV's audio input jacks.

METHOD C:

Use an audio cable to connect the DVD's audio output jacks to the LCD TV's audio inputs. Use an S-Video cable to connect the DVD's S-video output jack to the LCD TV's S-VIDEO1 or S-VIDEO2 input jack.

METHOD D:

Use a composite cable to connect the DVD's composite video/audio jacks to the LCD TV's AV1 or AV2 jacks.

2 Connect all AC power sources, before turning on the power switch of the LCD TV or other connected equipment.

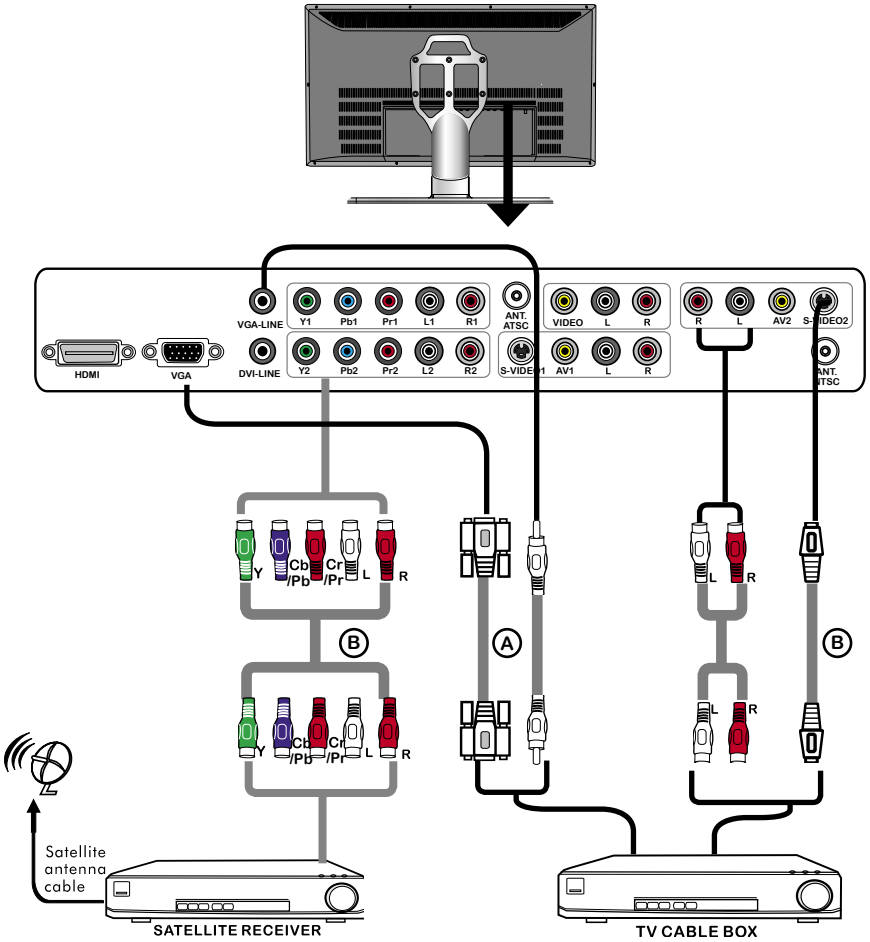
3 Press the button on the remote to turn on the LCD TV.

4 To watch a DVD, press the **PC** button on the remote repeatedly to select **HDMI** (METHOD A), or press the **COMP.** button on the remote repeatedly to select **Y1Pb1Pr1/Y2Pb2Pr2** (METHOD B), or press the **VIDEO** button on the remote repeatedly to select **S-VIDEO1/ S-VIDEO2**(METHOD C), or **AV1/AV2**(METHOD D).

For best picture quality, if your equipment has HDMI output, use a component cable instead of a component video output, composite video or S-video cable.

The HDMI connector provides both video and audio signals, it's not necessary to connect the audio cable.

If the LCD TV is connected together with the equipment's DVI connecter, you will need an HDMI-to-DVI cable or an HDMI adapter (not supplied) and an audio cable.



❶ Use a component cable to connect the satellite receiver's component (Y2Pb2Pr2) output jacks to the LCD TV's component input jacks. Use an audio cable to connect the satellite receiver's component audio jacks to the LCD TV's audio input jacks.

❷ **METHOD A:**
Use a D-SUB cable to connect the TV Cable Box's D-SUB output jack to the LCD TV's VGA input jack. Use an audio cable to connect the TV Cable Box's audio output jack to the LCD TV's VGA audio input jack.

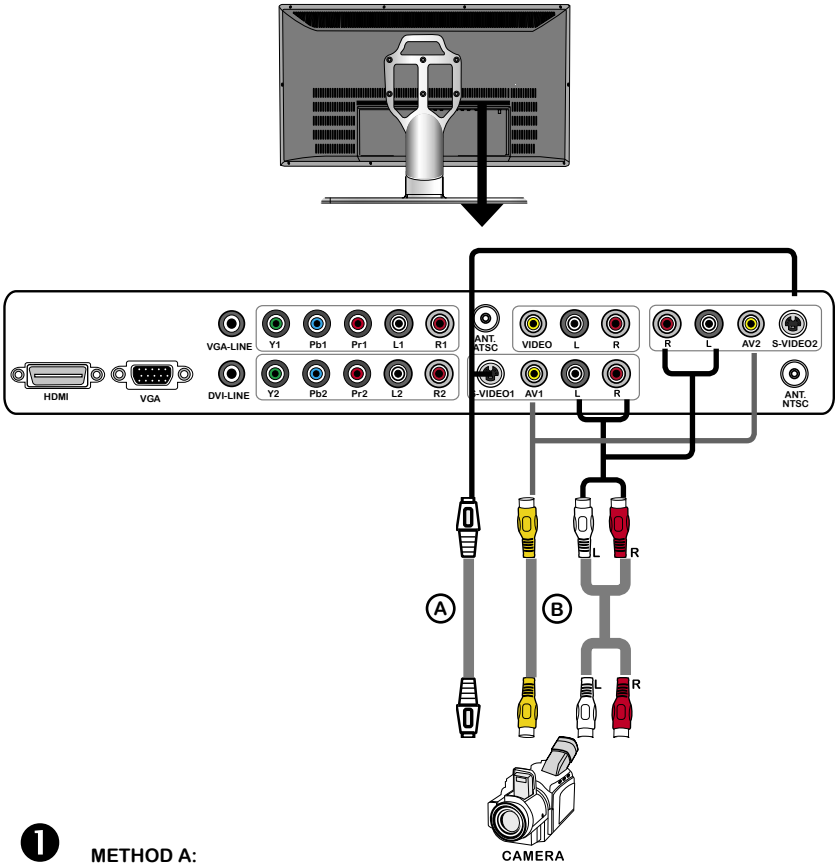
METHOD B:
Use an audio cable to connect the TV Cable Box's audio output jacks to the LCD TV's audio inputs. Use an S-Video cable to connect the TV Cable Box's S-video output jack to the LCD TV's S-VIDEO2 input jack.

3. Connect all AC power sources, before turning on the power switch of the LCD TV or other connected equipment.

4. Press the button on the remote to turn on the LCD TV.

5. To watch programs via satellite receiver, press the **COMP**. button on the remote repeatedly to select **Y2Pb2Pr2**.

6. To watch TV via TV cable box, press the **PC** button on the remote repeatedly to select **VGA** (METHOD A), or press the **VIDEO** button on the remote repeatedly to select **S-VIDEO2** (METHOD B).



1. **METHOD A:**

   Use an audio cable to connect the video camera's audio output jacks to the LCD TV's audio inputs. Use an S-Video cable to connect the video camera's S-video output jack to the LCD TV's S-VIDEO1 or S-VIDEO2 input jack.

   METHOD B:

   Use a composite cable to connect the video camera's composite video/audio jacks to the LCD TV's AV1 or AV2 jacks.

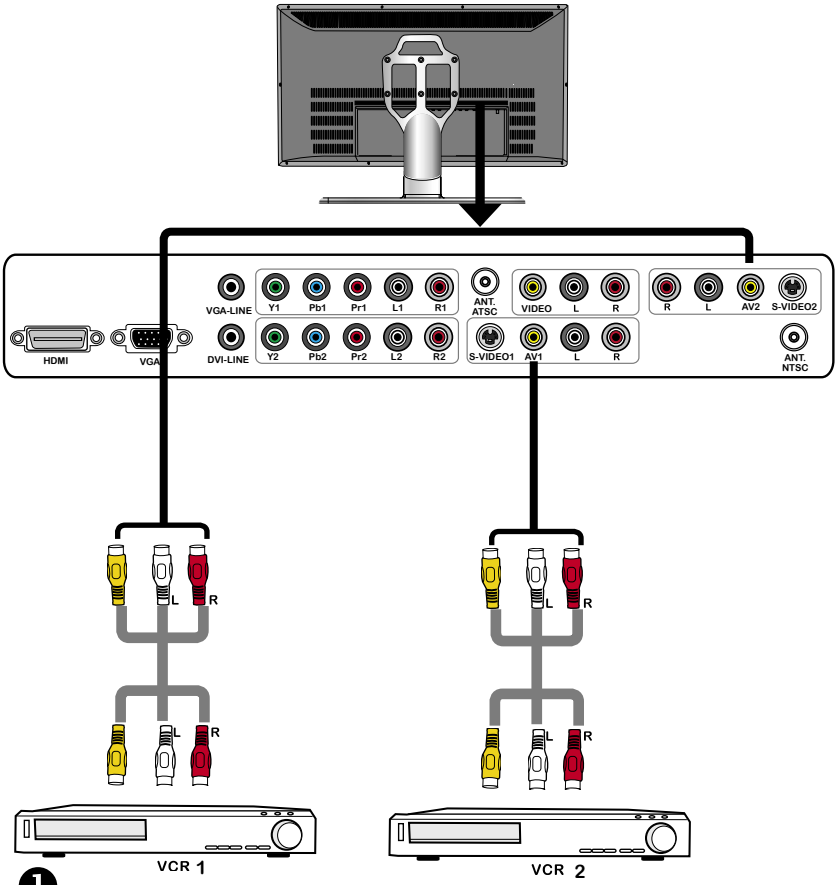
2. Connect all AC power sources, before turning on the power switch of the LCD TV or other connected equipment.

3. Press the button on the remote to turn on the LCD TV.

4. To watch a video vis camera, press the **VIDEO** button on the remote repeatedly to select **S-VIDEO1/S-VIDEO2**(METHOD A), or **AV1/AV2** (METHOD B).

Not all cameras have the ability to connect to a TV. Please check your video camera user guide for compatibility.

Connecting two VCRs



1. Use a composite cable to connect the VCR1's composite video/audio input jacks to the LCD TV's composite video/audio output jacks.

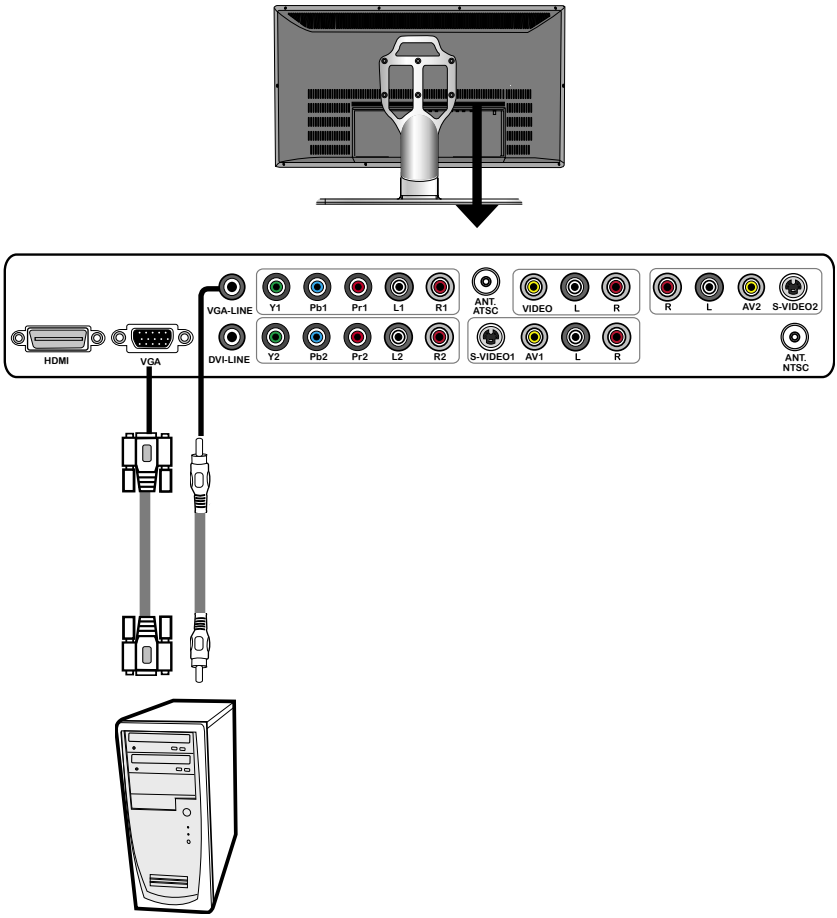
2. Use a composite cable to connect the VCR2's composite video/audio outputjacks to the LCD TV's AV2 input jacks.

3. Connect all AC power sources, before turning the LCD TV's power switch on.

4. Press the button on the remote to turn on your LCD TV.

Through connected two VCRs, you can record one VCR to the other. You can watch a videotape at the same time.

Use the VIDEO Output of the LCD TV to connect other TV or Display, the input source of LCD TV can be one of TV, AV1, and AV2.



1. Use a D-SUB cable to connect the PC's D-SUB output jack to the LCD TV's VGA input jack. Use an audio cable to connect the PC's audio output jacks to LCD TV's.

2. Connect all AC power sources, before turning on the power switch of the LCD TV or other connected equipment.

3. Press the button on the remote to turn on the LCD TV.

4. Press the **PC** button on the remote repeatedly to select **VGA**.

Chapter 3 USING THE FEATURES

Watching Your LCD

1. Press the button to turn the LCD TV on.

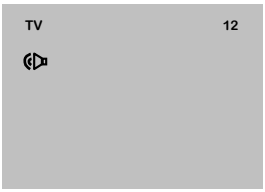
2. Press the **TV** button to enter TV mode, or press the **SOURCE** button on the top of TV to select the TV.

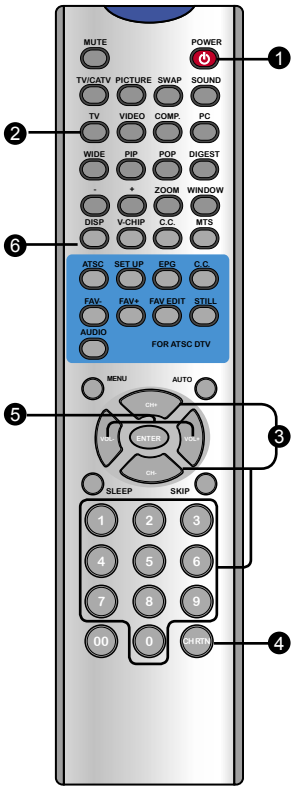
3. Press the **CH+-** buttons to change channels, or use the **0-9** buttons to choose a channel.

4. Press the **CH RTN** button to alternate back and forth between two channels.

5. Press the **VOL**+- buttons to adjust the volume. Press the **MUTE** button to turn the sound off, press again to turn the sound on.

6. Press the **DISPLAY** button to display information such as the channel and channel label. Press the **DISPLAY** button again to hide the information.



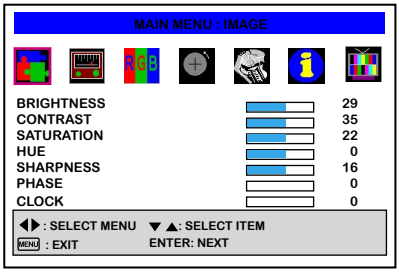


If the LCD TV does not display any picture, check all the connections.

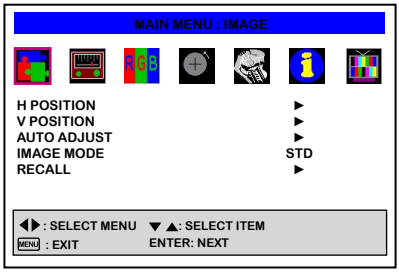
1. Press the button to turn the LCD TV on.

2. To select the signal source, press the **MENU** button on the remote control. The main menu will appear on the screen. Use the **VOL+-** buttons to select your main menu option.

IMAGE MENU:

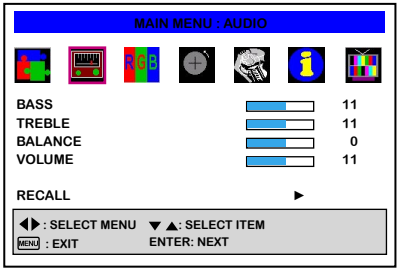


page 1

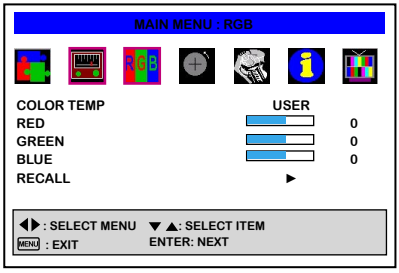


page 2

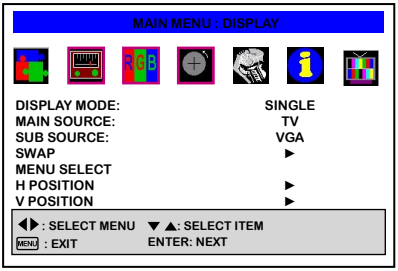
AUDIO MENU:



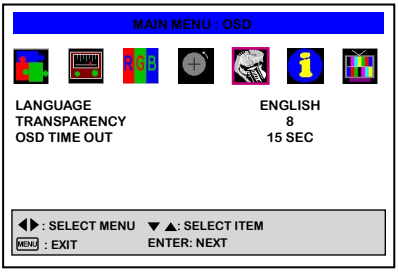
RGB MENU:



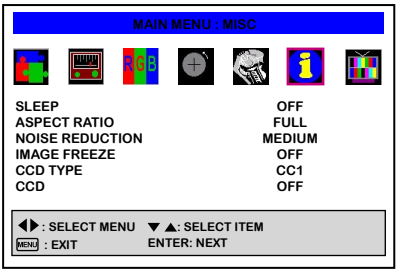
DISPLAY MENU:



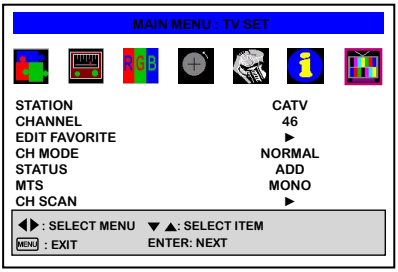
OSD MENU:



MISCELLANEOUS MENU:



TV SET MENU:



3. Use the **CH+-** buttons to highlight an option of the sub-menu, and press the **ENTER** button. While in adjustment mode, text will turn red, and use the **VOL+-** buttons to change the value of the item.

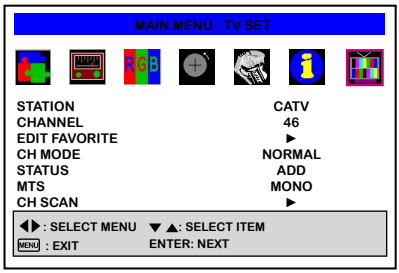
4. Press the **MENU** button to exit the menu.

Setting up the Channel List

Automatically scans and stores all the TV channels

1. With the LCD TV connected to a television programming source, press the **TV** button on the remote control.

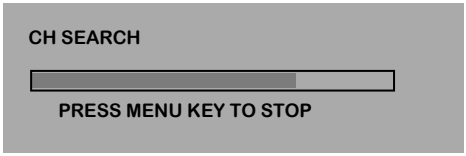
2. Press the **MENU** button on the remote control to display the Main menu, and use the **VOL+-** buttons to select the **TV SET**, and press the **ENTER** button.



3. Press the **CH+-** buttons to select **CH MODE**, and use the **VOL+-** buttons to select the **NORMAL**.

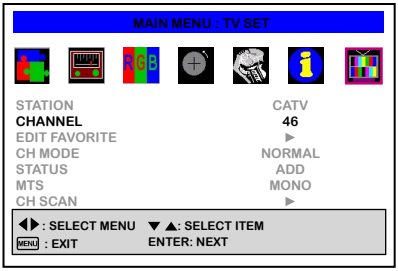
4. Press the **CH+-** buttons to select **CH SCAN**, and press the **ENTER** button.

5. The **CH SCAN** automatically creates a list of receivable channels. Press the **MENU** button at any time to interrupt the memorization process.(the list cannot be created if interrupted)

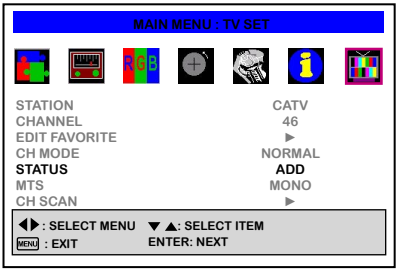


1. Press the **MENU** button on the remote control to display the Main menu, and use the **VOL+-** buttons to select the **TV SET**, and press the **ENTER** button.

2. Press the **CH+-** buttons to select **CHANNEL**, then press the **VOL+-** to select the channel you choose to hide.



3. Press the **CH+-** buttons to select **STATUS**, then Use the **VOL+-** buttons to select the **ERASE** option.

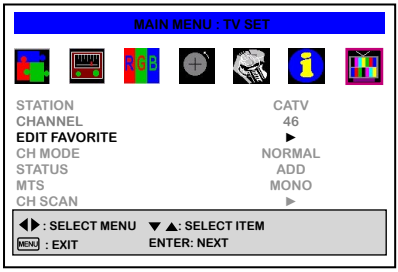


4. Repeat steps 1~3 to hide other channels.

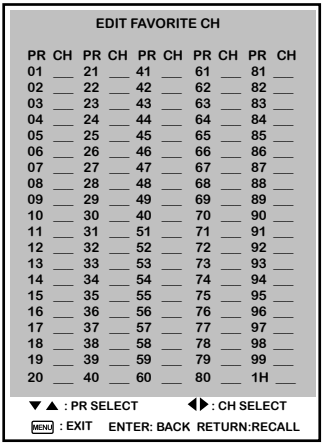
5. To add the hided channels, please repeat steps 1-3 and use the **VOL+-** buttons to select the **ADD** option.

Hided channels can only be accessed with the 0-9 buttons.

❶ Press the **MENU** button on the remote control to display the Main menu, and use the **VOL+-** buttons to select the **TV SET**, and press the **ENTER** button.



❷ Press the **CH+-** buttons to select **EDIT FAVORITE**, and press the **ENTER** button to display the EDIT FAVORITE menu:



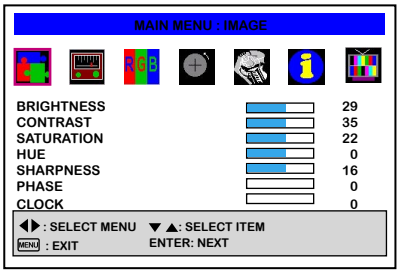
❸ Press the **VOL+-** buttons to select the sequence of the favorite channel, and use the **VOL+-** buttons to select the favorite channel.

❹ Press the **ENTER** button to return to the TV OSD menu. Press the **RETURN** button to RECALL it again.

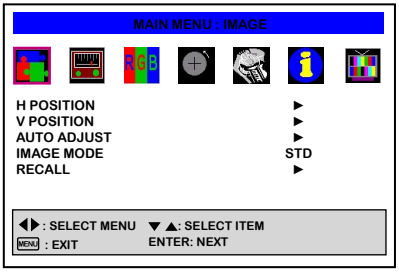
❺ Press the **CH+-** buttons to select **CH MODE**, use the **VOL+-** buttons to select the TV source to be **FAVORITE**.

1. Press the button to turn the LCD TV on.

2. Press the **MENU** button to display the Main Menu :



Press the **VOL+-**button, the other item will appear on the screen.



3. Press the **CH+-** buttons to select the item to control, then press **ENTER** button to enter into adjustment mode.

4. Press the **VOL+-** buttons to adjust the desired value.

5.

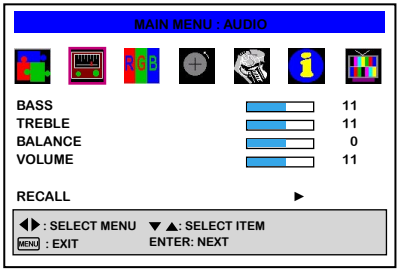
BRIGHTNESS	Controls the overall brightness of the picture.
CONTRAST	Controls the difference between the brightest and darkest regions of the picture.
SATURATION	Controls the color intensity.
HUE	Controls the difference between the green and red regions of the picture.
SHARPNESS	Increase this setting to see crisp edges in the picture; decrease it for soft edges.
PHASE	Increase the focus clarity in the picture and image stability.
CLOCK	Controls the overall frequency rate of the picture.

H POSITION	Controls the horizontal position of the picture.
V POSITION	Controls the vertical position of the picture.
AUTO ADJUST	Adjusts automatically the display settings to optimize performance in VGA mode.
IMAGE MODE	This setting controls the overall appearance of the picture, and is chosen from among the following options: STANDARD, BRIGHT, SOFT, MOVE STANDARD, MOVE BRILLIANT.
RECALL	Restores the original factory settings.

Customizing the Audio Settings

1. Press the button to turn the LCD TV on.

2. Press the **MENU** button to display the Main Menu.Press the **VOL+-** buttons to select **AUDIO**.



3. Press the **CH+-** buttons to select the item to control, then press **ENTER** button to enter into adjustment mode.

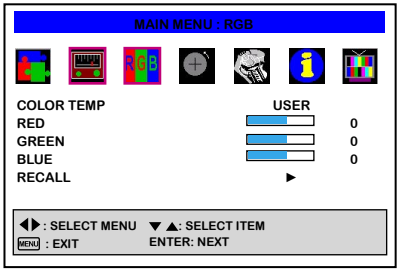
4. Press the **VOL+-** buttons to adjust the desired value.

5.

BASS	Controls the relative intensity of lower-pitched sounds.
TREBLE	Controls the relative intensity of higher pitched sounds.
BALANCE	Adjusts the relative volume of the speakers in a multiplespeaker system.
VOLUME	Changes the audio volume.
RECALL	Restores the original factory settings.

1. Press the button to turn the LCD TV on.

2. Press the **MENU** button to display the Main Menu.Press the **VOL+-** buttons to select **RGB**.



3. Press the **CH+-** buttons to select the item to control, then press **ENTER** button to enter into adjustment mode.

4. Press the **VOL+-** buttons to adjust the desired value.

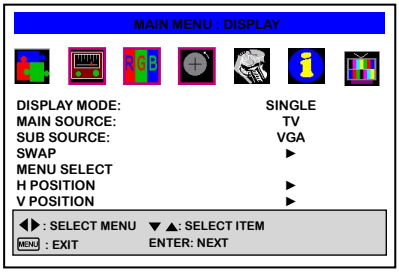
5.

COLOR TEMP	Controls the red, green and blue components of the picture's white color: STANDARD, WARM, COOL, and USER. **WARM**: gives the white color a red tint. **COOL**: gives the white color a blue tint. **USER**: adjusts the RGB color value manually. **If COLOR MODE is set to 'User', all options may be adjusted according to personal preference; all settings are saved.**
RED	Adjusts the red color setting.
GREEN	Adjusts the green color setting.
BLUE	Adjusts the blue color setting.
RECALL	Restores the original factory settings.

Customizing the DISPLAY Settings

1. Press the button to turn the LCD TV on.

2. Press the **MENU** button to display the Main Menu.Press the **VOL+-** buttons to select **DISPALY**.



3. Press the **CH+-** buttons to select the item to control, then press **ENTER** button to enter into adjustment mode.

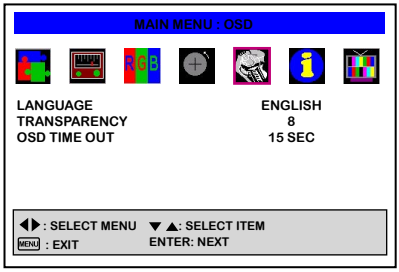
4. Press the **VOL+-** buttons to adjust the desired value.

5.

DISPLAY MODE	Select the screen mode: SINGLE, PIP, POP, and MULTI PIP. **SINGLE**: switches to single screen. **PIP**: switches to picture outside picture screen **POP**: switches to picture in picture screen **MULTI PIP**: switches to multiple screen
MAIN SOURCE	Selects the main source as TV/VIDEO 1/VIDEO 2/S-Video 1/S-Video 2
SUB SOURCE	Selects the sub source as VGA, HDMI,and Y1Pb1Pr1/Y2Pb2Pr2, ATSC mode.
SWAP	Switches between the main screen and sub screen.
H POSITION	Controls the horizontal position of the second screen.
V POSITION	Controls the vertical position of the second screen.

1. Press the button to turn the LCD TV on.

2. Press the **MENU** button to display the Main Menu.Press the **VOL+-** buttons to select **OSD**.



3. Press the **CH+-** buttons to select the item to control, then press **ENTER** button to enter into adjustment mode.

4. Press the **VOL+-** buttons to adjust the desired value.

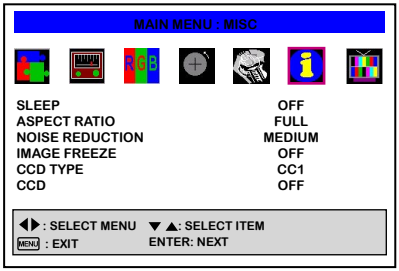
5.

LANGUAGE	Allows selection of the language used on all the on-screen menus:Traditional CHINESE / SimplifiedCHINESE / FRENCH /GERMAN/SPANISH /KOREAN/ENGLISH.
TRANSPARENCY	Controls the translucence of the on-screen menus's background: 0/1/2/...../13/14/15.
OSD TIME OUT	Allows selection of the display time of the on-screen menu:: 10/15/20/25/30 seconds

Customizing the MISC Settings

1. Press the button to turn the LCD TV on.

2. Press the **MENU** button to display the Main Menu.Press the **VOL+-** buttons to select **MISC**.



3. Press the **CH+-** buttons to select the item to control, then press **ENTER** button to enter into adjustment mode.

4. Press the **VOL+-** buttons to adjust the desired value.

5.

SLEEP	Allows selection of the time that elapaes before the TV shuts off automatically: Off/10/20/30 …./100/110/120minutes
ASPECT RATIO	Controls how the image is fit inside the screen: NATIVE,FULL,4:3,16:9
NOISE REDUCTION	Allows adjustment for the fine tune level by hand if signal is too weak or picture is blurry: OFF, WEAK, MEDIUM, STRONG
IMAGE FREEZE	Freezes and restores the picture.
CCD TYPE	Allows selection of the closed caption modes: CCD1-/CCD4 : Displays a printed version of the dialog or sound effects of the program. TEXT1-TEXT4: Displays station information presented using either half or the whole screen.
CCD	Turns the subtitle control on and off.

Using the PIP/POP/MULTI PIP Settings

The PIP/POP/MULTI PIP feature allows simultaneous viewing of video from two sources (TV, VCR, DVD etc). Only one source's audio is played at a time; the user may select which source's audio is heard.

1. Press the **PIP** button on the remote control to enter picture-in-picture mode, press again to exit PIP mode.

2. Press the **POP** button on the remote control to enter picture-outside-picture mode, press again to exit POP mode.

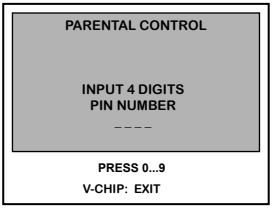
3. Press the **DIGEST** button on the remote control to enter multiple pictures mode, press again to exit MULTI PIP mode.

The input source of the main window can be one of VGA, HDMI, YPbPr, ATSC and the input source of sub window will be one of AV, S-VIDEO, and TV.

Using the V-CHIP Settings

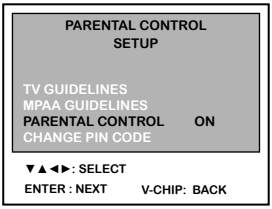
The US has 2 rating system for viewing content: Movie blocking(MPAA) and TV Blocking.
The TV Blocking conjuncts with the V-CHIP to help parents block inappropriate programs from their children.
The Movie blocking(MPAA) is used for original movies rated by the Motion Picture Association of America(MPAA) as broadcasted on cable TV and not edited for television.
The V-CHIP can also be set to block MPAA-rated movies.

❶ Press the **V-CHIP** button on the remote control to display the Main menu:



❷ Use the **PARENTAL CONTROL** function, must enter a four-digit password. The factory password is 0000.

❸ Use the **CH+-** buttons to select the **PARENTAL CONTROL**, then Use the **VOL+-** buttons to select the **ON** option to turn the **PARENTAL CONTROL** functions on.



❹ The MPAA includes the following options:

RATING	DESCRIPTION
G	General Audiences. Movie is appropriate for all ages.
PG	Parental Guidance Suggested. May contain material not suited for younger viewers
PG-13	Contains content that may not be appropriate for viewers under the age of 13.
R	Restricted. Contains adult content, no one under 17 admitted without parent.
NC-17	No one 17 and under admitted.
X	No one 17 and under admitted.

5 The **TV GUIDELINE** has 2 rating methods: Content-Based Rating and Age-Based Rating. The **TV GUIDELINE** includes the following options:

AGE-BASED

RATING	DESCRIPTION
TV-Y	All children
TV-Y7	Directed to children age 7 and older
TV-G	General Audience
TV-PG	Parental Guidance suggested
TV-14	Parents strongly cautioned
TV-MA	Mature Audience only

CONTENT-BASED

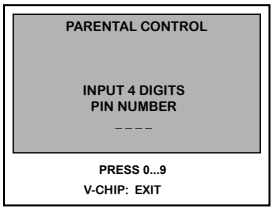
RATING	DESCRIPTION
FV	Fantasy violence
D	Suggestive dialogue
L	Strong language
S	Sexual situations
V	Violence

		CONTENT-BASED				
		FV	D	L	S	V
AGE-BASED	TV-Y					
	TV-Y7	✔				
	TV-G					
	TV-PG		✔	✔	✔	✔
	TV-14		✔	✔	✔	✔
	TV-MA			✔	✔	✔

✔ : To block programs by both content and age.

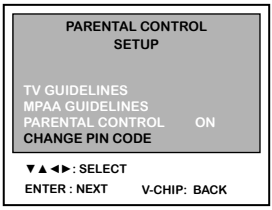
6 Usethe **VOL+-** buttons or the **CH+-** buttons to select the rating you want and press the **ENTER** button to select **BLOCK** or **UNBLOCK**.

❶ Press the **V-CHIP** button on the remote control to display the Main menu:



❷ Use the **PARENTAL CONTROL** function, must enter a four-digit password. The factory password is 0000.

❸ Pressthe **CH+-** buttons to select **CHANGE PIN CODE**, then press **ENTER** button to enter into setting mode.



❹ Press the **0-9** buttons to enter a new four-digit password.

1. Use a supplied antenna cable to connect the ATSC signal to the LCD TV's ANT.ATSC terminal.

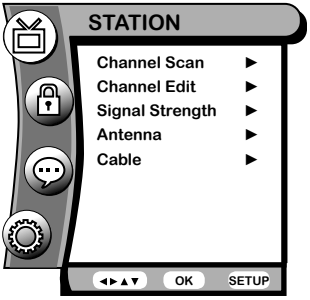
2. Press the button to turn the LCD TV on.

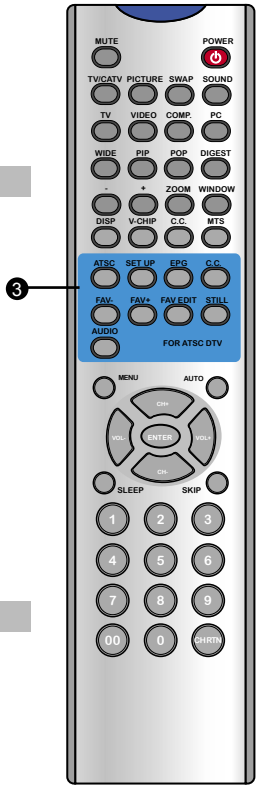
3. Press the **ATSC** button, press the **SETUP** button on the remote control. The main menu will appear on the screen.

   Use the **CH+-** buttons to select your main menu option.

   the item.

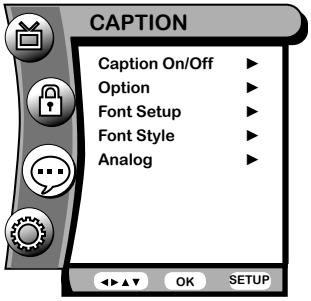
STATION MENU:



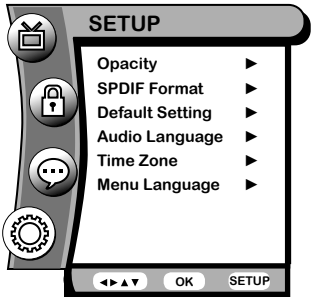


LOCK MENU:

CAPTION MENU:



SETUP MENU:

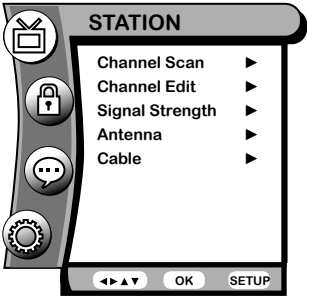


4. Use the **CH+-** buttons to highlight an option of the sub-menu, and press the **ENTER** button. While in adjustment mode, text will turn purple, and use the **VOL+-** buttons to change the value of the item.

5. Press the **SETUP** button to exit the menu.

1. Press the button to turn the LCD TV on.

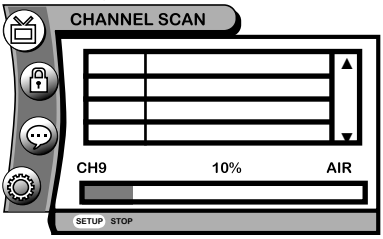
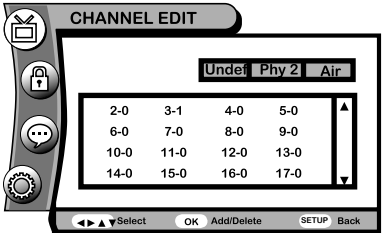
2. Press the **SETUP** button to display the Main Menu.Press the **VOL+-** buttons to select **STATION**.



3. Press the **CH+-** buttons to select the item to control, then press **ENTER** button to enter into adjustment mode.

4. Press the **VOL+-** buttons to adjust the desired value.

5.

Channel Scan	Automatically creates a list of receivable channels. 
Channel Edit	Adds/removes channels. 
Signal Strength	Allows adjustement for the reception quality if signal is too weak or picture is blurry.
Antenna	Selects the antenna or cable signal: AIR/Cable/Auto.
Cable	Select the TV system: STD/HRC/IRC(STD, HRC and IRC identify various types of cable TV system)

1. Press the button to turn the LCD TV on.

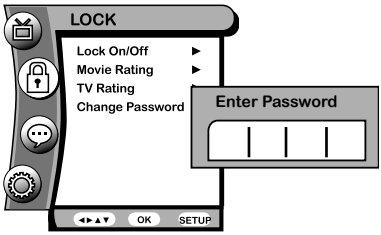
2. Press the **SETUP** button to display the Main Menu.Press the **VOL+-** buttons to select **LOCK**.

3. Press the **CH+-** buttons to select the item to control, then press **ENTER** button to enter into adjustment mode.

4. Press the **VOL+-** buttons to adjust the desired value.

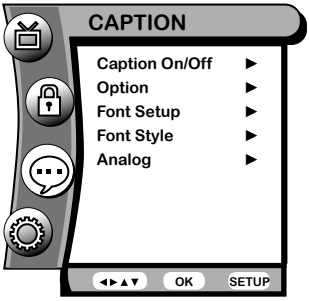
5.

Lock On/Off	Turns Movie/TV Rating Lock on/off.
Movie Rating	Selects to use the Movie ratings (refer to page 39).
TV Rating	Selects to use the TV ratings (refer to page 40).
Change Password	Selects to change your password.



1. Press the button to turn the LCD TV on.

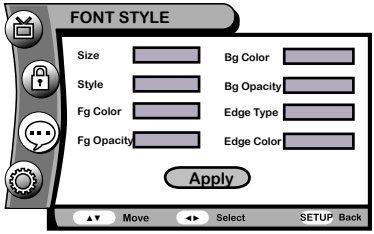
2. Press the **SETUP** button to display the Main Menu.Press the **VOL+-** buttons to select **CAPTION**.



3. Press the **CH+-** buttons to select the item to control, then press **ENTER** button to enter into adjustment mode.

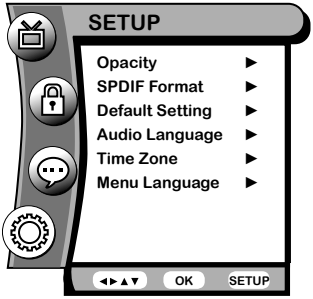
4. Press the **VOL+-** buttons to adjust the desired value.

5.

Caption On/Off	Turns the Closed Caption on/off.
Option	Allows to select the program option under Caption vision.
Font Setup	Allows to selet the Closed Caption settings:By Program/By User
Font Style	Allows to customise the Closed Caption settings: 
Analog	Allows to select basic analog closed caption options: CC1-/CC4 : Displays a printed version of the dialog or sound effects of the program. TEXT1-TEXT4: Displays station information presented using either half or the whole screen.

1. Press the button to turn the LCD TV on.

2. Press the **SETUP** button to display the Main Menu.Press the **VOL+-** buttons to select **SETUP**.



3. Press the **CH+-** buttons to select the item to control, then press **ENTER** button to enter into adjustment mode.

4. Press the **VOL+-** buttons to adjust the desired value.

5.

Opacity	Controls the translucence of on-screen menus: Opacity1-Opacity6.
SPDIF Format	Allows to select the digital sound format: AC-3/PCM.
Default Settting	Restores the original factory settings.
Audio Language	Allows to select the audio language: English/French/Spanish/Portuguese
Time Zone	Allows to select the time zone: Eastern /Central/Mountain/Pacific/ Alaska/Hawaii.
Menu Language	Allows selection of the language used on the on-screen menu: English/French/Spanish/Portuguese

TROUBLESHOOTING

Before consulting service personnel, check the following chart for a possible cause of the trouble and for a possible solution.

TV will not turn on

1. Make sure the power cord is plugged in, then press the button on the remote.
2. The batteries in the remote control may be exhausted.
3. Replace the batteries.

No picture, no sound

1. Check the interface cable between TV and antenna/cable TV.
2. Press the button on the remote.
3. Press the **TV** button on the remote, then press other input source button to select the connected video sources.

Poor picture, sound OK

1. Check the interface cable between TV and antenna/cable TV.
2. Try another channel, the station may have broadcast difficulties.
3. Adjust the Brightness/Contrast options in the **VIDEO ADJUST** Menu.

Picture OK, poor sound

1. Sound may be muted. Press the **MUTE** button on the remote.
2. Press the **TV** button on the remote, then press the **VOL+** button to increase the volume.

Audio noise

1. Move any infrared equipment away from the TV.

SPECIFICATION

Stand Type	H Stand
Panel System	32 inch
Display Resolution	1366 pixels(horizontal) x 768 pixels (vertical)
Television System	NTSC and ATSC
Antenna Input	75 Ω unbalanced
VIDEO IN	2
AV OUT	1
S-VIDEO	2
HDMI/AUDIO	1
YPbPr	2
VGA/AUDIO	1
AUDIO(L/R) IN	4
AUDIO OUT	1
SPEAKER OUT	10 W x 2
POWER SOURCE (Power consumption(Max))	200 W
DIMENSION	**38.18 inch (W) x 23.03 inch (H) x 7.18 inch (D)**
WEIGHT	21 KG

Preset Mode Timing Chart

The screen image has been optimized during manufacture for the display modes listed below.
If the signal from the system equals the standard signal mode, the screen is adjusted automatically. If the signal from the system doesn't equal the standard signal mode, adjust the mode by referring to your videocard user guide otherwise there may be no video, For the display modes listed below, the screen image has been opimized during manufacturer.

Video signal: (VGA/DVI VESA Standard)

Resolution (Dot X Line)	Vertical Frequency(Hz)	Horizontal Frequency(kHz)	Pixel Frequency
640 x 350	85	37.9	31.500
640 x 400	85	37.9	31.500
720 x 400	85	37.9	35.500
640 x 480	60	31.5	25.175
	72	37.9	31.500
	75	37.5	31.500
	85	43.3	36.000
800 x 600	56	35.1	36.000
	60	37.9	40.000
	72	48.1	50.000
	75	46.9	49.500
	85	53.7	56.250
1024 x 768	60	48.4	65.000
	70	56.5	75.000
	75	60.0	78.750
	85	68.7	94.500
1152 x 864	75	67.5	108.000
1280 x 960	60	60.0	108.000
1280 x 1024	60	64.0	108.000